

GIS Users Meeting February 2016 Minutes

Welcome by Everett Root, Office of Technology Partnerships, Center for Shared Solutions

Federal

USGS – Charley Hickman – 3 Dep 2016 awards are starting to be announced, Michigan is included. Planning for 2017 Grant Program is now going on. There will be a spring update of the LiDAR inventory: <https://coast.noaa.gov/inventory>

Census Bureau – Craig Best – School District Boundary Updates. Processing changes, once boundaries are approved, new files will be produced for review.

State

DEQ – Nick Ekel – Updating Environmental Mapper with the DEA assessment layer and a Land Resource Use restriction layer.

MDOT – Mike Toth – Joyce Newell has retired. Under going personnel changes. MDOT is using GIS as a formal business process right now. Working to get databases talking. TAMS is using ESRI roads and highways, and collector application. NHS does not have all the NFC's yet.

DEQ – Leni Steiner-Zenender – Doing brownfield re-development mapping.

WDA – Lloyd Conway- Mapping Layoffs by Michigan companies, due to imports. Mapping clusters that are affected by layoffs.

MDOT – Frank Boston – Asset Management Systems data population. Doing mobile LiDAR in Muskegon. There are problems moving the LiDAR data into Microstation.

Local

Trevor Floyd – St. Clair County – New GeoCortex deployment but it has security issues that need to be resolved. Created parcel map with ArcGIS scripts. Doing internal training for assessments. Updating models for disaster preparedness between the U. S. and Canada, CAUSE experiment.

Sandon Letteri – Livingston County – Doing Web updates. Have some new ArcGIS online applications, Parcel Viewer and Public Recreation application.

Emily Renkema – City of Lansing – Intern and LCC student. Public Service Department is working on sewer updates and also doing parcel updates in ArcMap.

Andy Skelton – City of Lansing – Intern and LCC student, doing tree inventory.

Eric Essenburg – City of Lansing – Intern and LCC student, doing tree inventory.

Erik Peterson – City of Lansing – Intern and LCC student, doing tree inventory.

Jennifer Quinlivan – City of Lansing – Intern and LCC student, doing tree inventory.

Brent Thelen – Calhoun County – Participating in the USGS 3 Dep Program. Also working on an address point layer.

Kevin Funtik – Wayne County – Launched a public parcel viewer. Working to update attribute data. New jail management system being implemented. Expansion of City Works environment.

Jon Merrick – Eaton County – Working on student safety zones viewing application. Gathering school data.

Scott Stopyak – Eaton County – LGIM Model, Created a dozen public facing Web Maps and created internal applications. Doing mobile work flow using ESRI Collector application. Working on hydrography and are looking into Work Force ESRI program. More mobile applications are being deployed.

Chris Cantrell – Midland County – Migration to parcel fabric. Doing lots of parcel clean up. Also doing road work assessments.

Others

Nick Ross – Rosenbrock Land Surveying – Creating a section corner geo database.

Mike Cousins – OHM Advisors – Saw Grants. Volunteering in the Geo Mentor Program. Berkshire Middle School hosting a GIS Career Day March 9, 2016. Moving from SDE to SQL. Doing ArcGIS Online and mobile collection. OHMI User group if interested please contact for information.

Jacob Murawski – OHM Advisors – Saw Grants.

Justin Booth – RS & GIS, MSU – Doing a Geo Career Day, February, 26th. Looking for vendors. Just wrapped up a training session. LiDAR derivatives work. Food system project, will be an ArcGIS online application.

Andy Henry – Wayne County RESA – Working on state education grants to build a high speed network for the state. Roof topping school locations. Goal to have every building in the state up to date with bandwidth in 3 to 5 years. Doing teacher training with the GRACE Project and looking for intern opportunities for GRACE students.

Kathleen Weessies – MSU Library – Looking for Metadata expert to help with html vs. xml. Large grant to create a project for Big 10 Libraries to create a geo data discovery layers. Now have Michigan Shoreline acreages for both Great Lakes shoreline and inland lakes shoreline.

Daniel Flynn – MSU Library – Working on Creating Finding Aid System for ArcViewer and building metadata.

Colin Brooks – Senior Research Scientist, Michigan Tech Research Institute (MTRI) in Ann Arbor, MI. Doing Remote Sensing and GIS projects. Just finished a bi-coastal wetlands layer 10 km inland. Ties into a new MDEQ project that involves coastal wetlands. Phase 1 & 2 MDOT UAV applications projects for unpaved road assessment. Improved methods of invasive species applications. Improve inventory of roads on Forest Service lands in the western U.P. May be adding some positions if funding comes thru.

Anne SantaMaria –Giffels Webster– SAW Grants

Casey Potts – Surveying Solutions, Inc. –Working on UAV projects. Also working with AXIS Geospatial on the new imagery contract for the MiSAIL program.

Mark Hersey – Surveying Solutions – MVTA site collections, rail lines, parcel and GIS mapping.

Andy Semenchuk – Surveying Solutions – Data Service Provider, Clients want GIS products.

Andrew Rathburn – Title-Check – Mapping parcels for County Managers.

Seth Moberg – Title-Check – New Website for Tax Sales.

Dave Nichol – Amalgam LLC – Working on 911 addressing and centerlines.

Rebecca Rogers –LCC and MNFI– Looking for internships for LCC students. Also doing MNFI bat studies, also doing ArcGIS online stuff.

Becky Norris – Cardinal – Doing wind farm work.

Steve Laity – LCC Graduate - Looking to network with GIS professionals.

Matt Bradley – CMU Graduate – Looking to network with GIS professionals.

Regional

Laura Tschirhart – Tri-County Regional Planning Commission – Working on Transportation projects. Safety plan with OPIS for non-motorized trails. Looking for information on MDOT bike trail in the University Region. Pavement Condition Reports.

Ann Burns - SEMCOG – Using 2015 imagery to update building footprints layer.

Associations

IMAGIN – 2016 Student Paper and Poster Competition will be on Tuesday, April 5th this year, again it will be at Constitution Hall.

MICAMP – Chris Cantrell - MICAMP Conference, September 7-9th, at Boyne Mountain. Looking for presenters. Hosting Michigan Certified Assessors Technician training in the Grand Rapids area.

Morning Special Topic

Updates from the State of Michigan, Center for Shared Solutions (CSS)

Presented by: Mark Holmes and Everett Root from CSS

Mark Holmes – CSS – Framework Version 16 is being released. Census program. Updates to the School District Boundaries were sent in to the Census in December.

Boundary Annexation Survey Program (BAS) – Letters went out in December from the Census. Contact us with questions. A FAQ document is being compiled.

Master Address Repository, Governor's Enterprise Information Management Initiative (EIM) - Improving address sharing between state agencies. Creating a master ID system, Geolocations will be tied to the addresses.

ReMonumentation – Testing formatting to put the data into the GIS Open Data Portal. Will have X, Y, Z coordinates tied to points.

County GIS Parcel Repository – Muskegon, Ottawa, Kent, Allegan, Kalkaska, Montcalm Counties and the City of Detroit providing parcel data thru community parcel tools thru ESRI. CSS will host the parcel data. Data schema has been developed. BS & A will provide the initial exports of the data. Committee will decide how the parcels will be disseminated. Working with Local Jurisdictions. ESRI Land Value Maps thru ArcGIS online and AMAR Program.

Everett Root – OTP/CSS – New MiSAIL contract was awarded in January. It will be a split contract with Axis Geospatial will be responsible for the Imagery and Sanborn will be responsible for the LiDAR. The state has been divided into 5 regions and the State will be flown over a 5 year period. Counties can buy in and fly at any time.

Afternoon Session

Unmanned Aerial Systems (UAS)

Presented by: Bob Goodwin, Sr. Geospatial Analyst/Project Manager, RS & GIS, Michigan State University
Colin Brooks, Senior Research Scientist, Michigan Tech Research Institute.

Bob's presentation is titled: *The Evolution of UAS: Applications in Research and the Private Sector*

RS&GIS has been researching and deploying Unmanned Aerial Systems (UAS) for over 4 years. This talk will focus on past and present UAS projects at RS&GIS, as well as future directions in research and the private sector. Attention will be given to platforms, sensors and processing methodologies. RS&GIS will also address any questions related to current and upcoming regulations regarding UAS deployment.

Colin's presentation is titled: *Applications of UAVs for transportation infrastructure assessment*

In 2011, MTRI started working with UAVs through US Department of Transportation funding to develop methods of assessing unpaved road condition. Since then, we have also completed the first phase of a project for Michigan DOT on evaluating applications of UAVs to meet a variety of needs for infrastructure

assessment and asset management. I'll review these projects and discuss where we anticipate going next with our applied UAV-enabled research.